

ABSTRACT OF THE DISCLOSURE

A cooling system for a vehicle has a refrigeration system with an ejector pump for ejecting fluid heated by a first heating element. The fluid is ejected at high speed to circulate the refrigerant and induce an entrainment effect. A radiator cools the refrigerant ejected from said ejector pump and an evaporator evaporates the refrigerant to generate refrigerating capacity. A first refrigerant circuit has a heat recovery circuit for exchanging heat between the first heating element and the refrigerant, ejecting the refrigerant and taking heat from the first heating element into the radiator via the heat recovery circuit with the use of the ejector pump, making the radiator dissipate the heat of the refrigerant, separating the refrigerant into gas-phase refrigerant and liquid-phase refrigerant by a gas-liquid separator, and making the gas-phase refrigerant return to the heat recovery circuit. A second refrigerant circuit decompresses the liquid-phase refrigerant.